

Please amend the claims as follows:

A38  
559. (Amended) The method of claim 531, wherein a partial pressure of H<sub>2</sub> is measured when the mixture is at a production well.

A39  
599. (Amended) The method of claim 570, wherein a partial pressure of H<sub>2</sub> is measured when the mixture is at a production well.

A40  
694. (Amended) The method of claim 665, wherein a partial pressure of H<sub>2</sub> is measured when the mixture is at a production well.

A41  
734. (Amended) The method of claim 745, wherein a partial pressure of H<sub>2</sub> is measured when the mixture is at a production well.

N.E. Exr: Note Claims 707, 744, 745 cancelled